

## Multi-Modal Chemical Imaging of Molecular Messengers in Emerging *Pseudomonas aeruginosa* Microbial Communities

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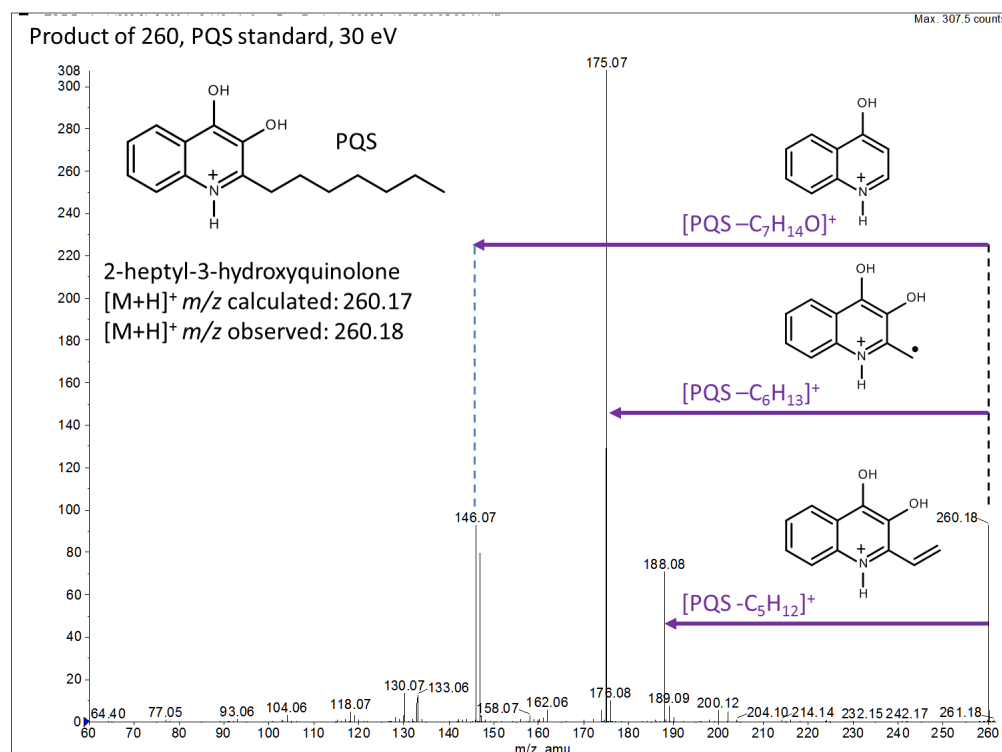
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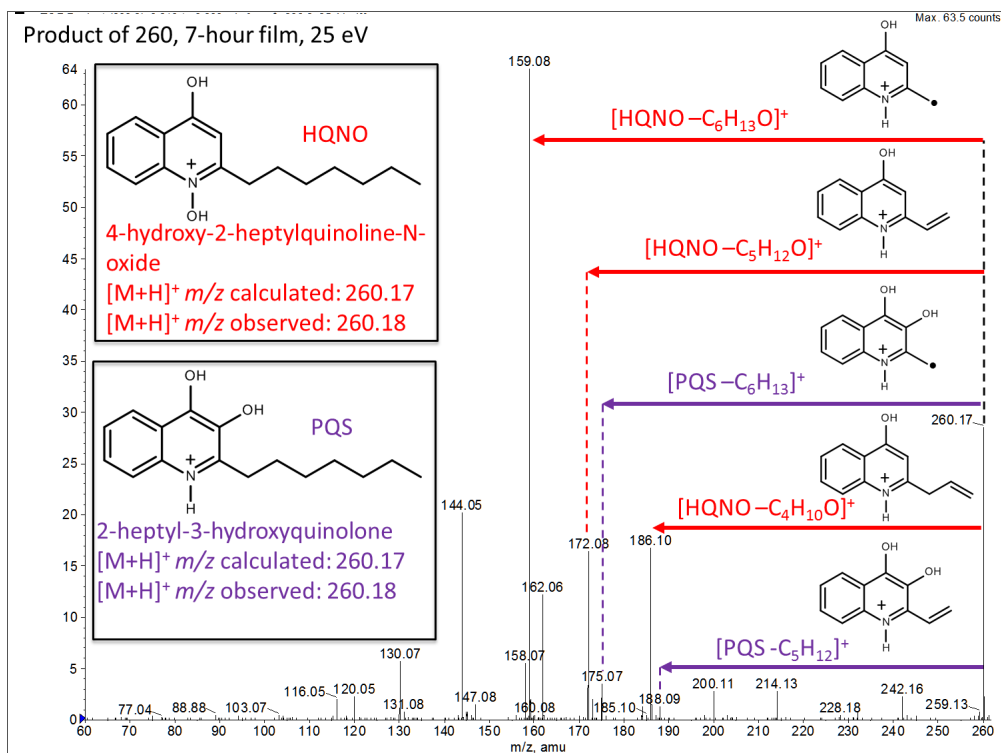
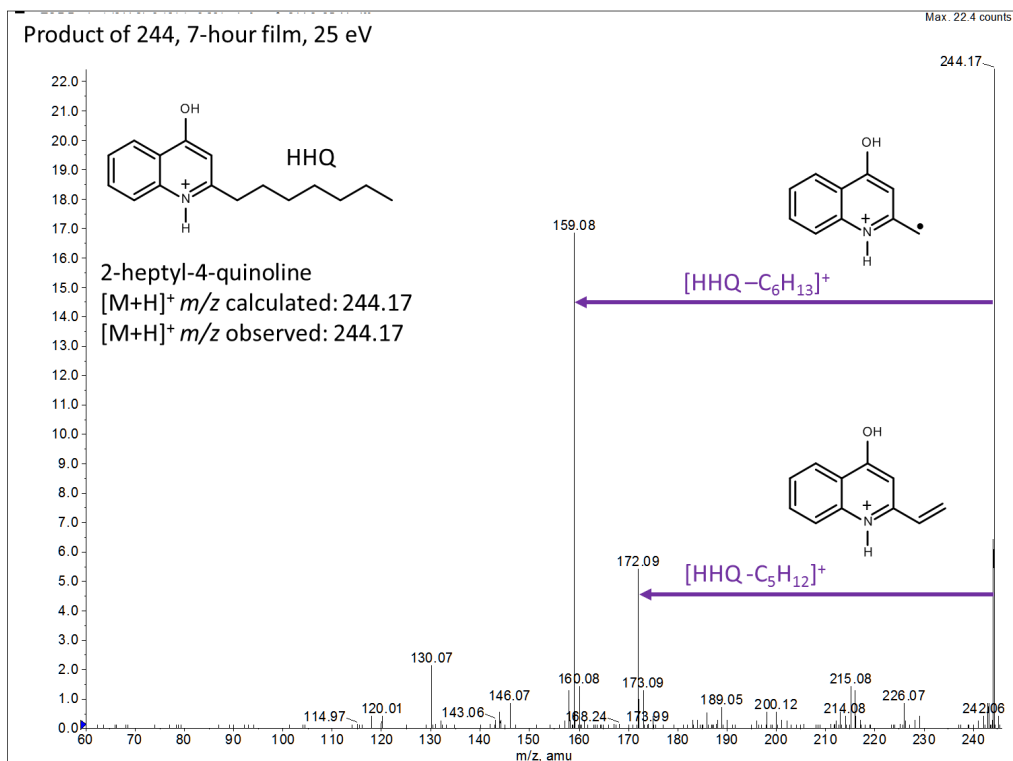
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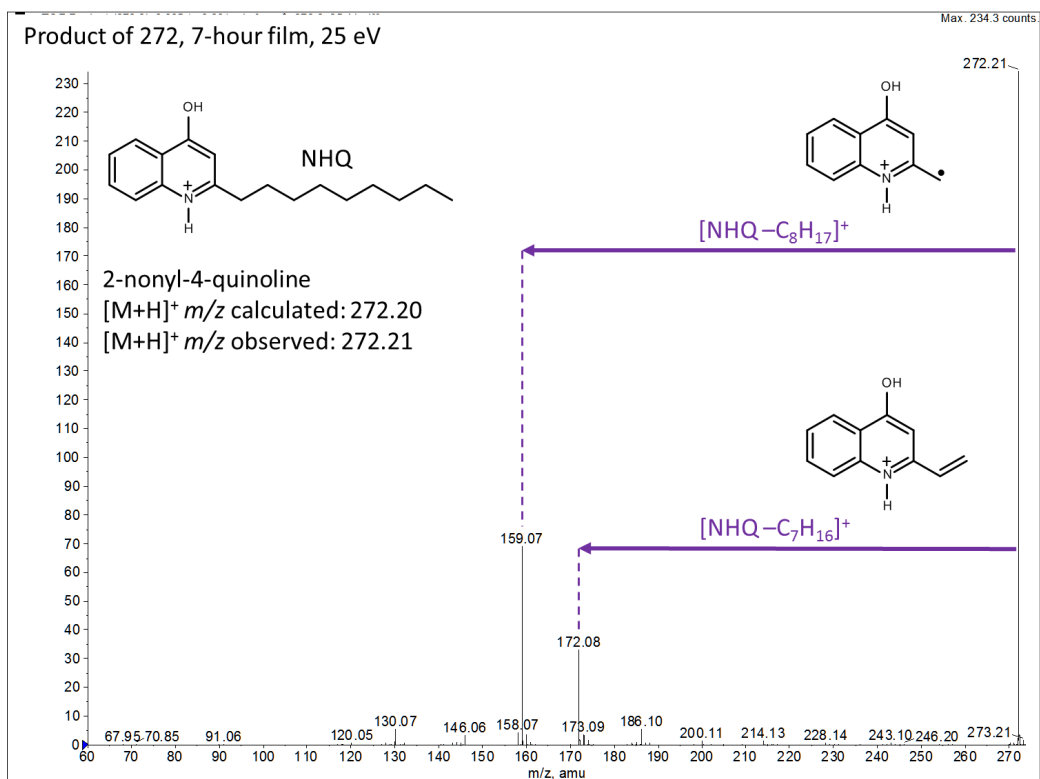
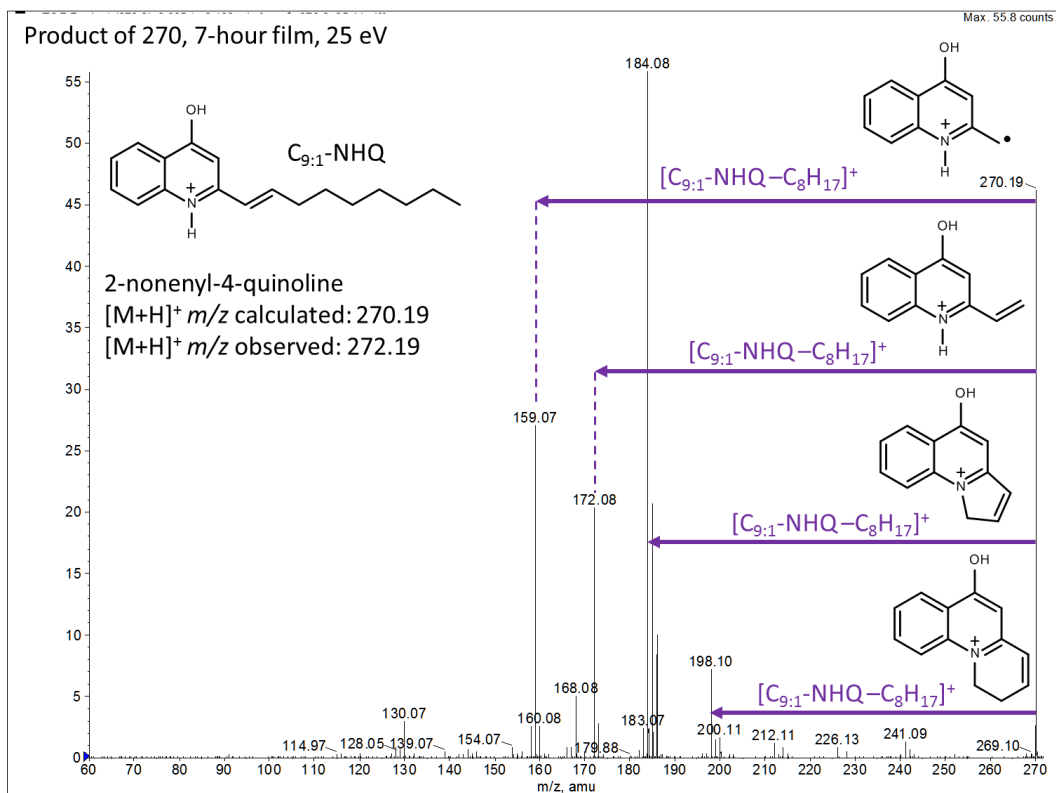
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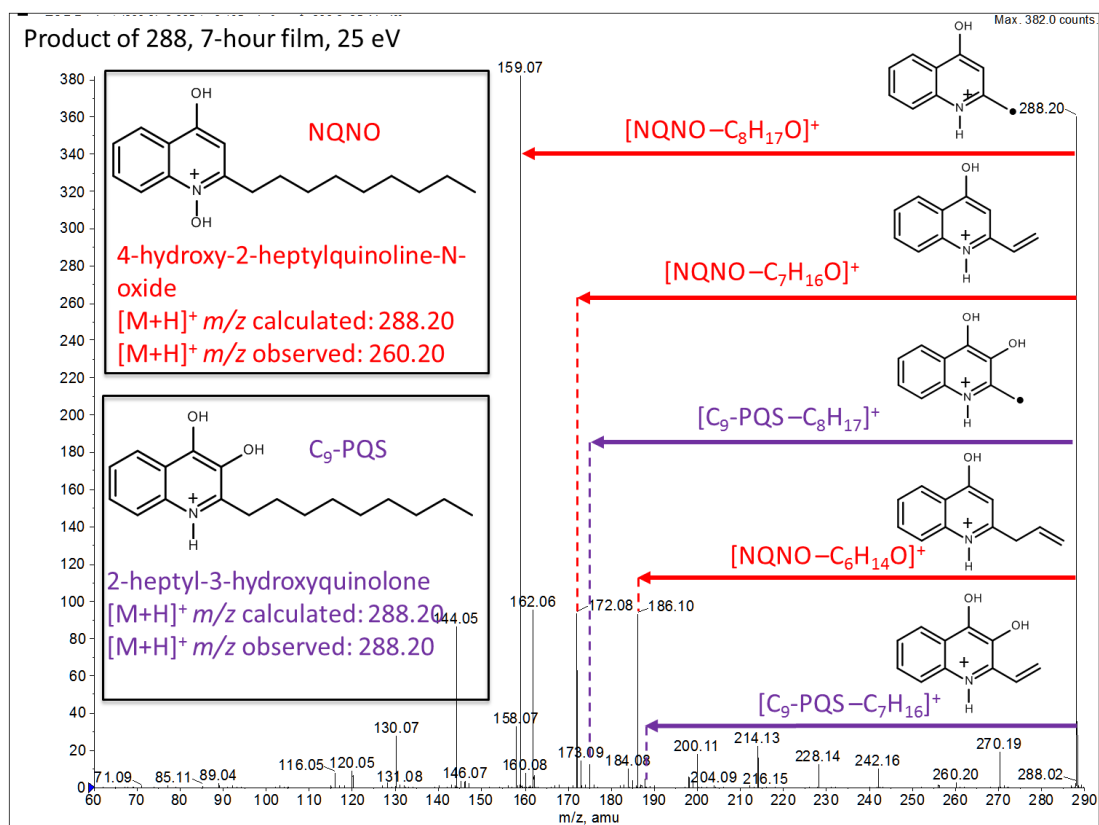
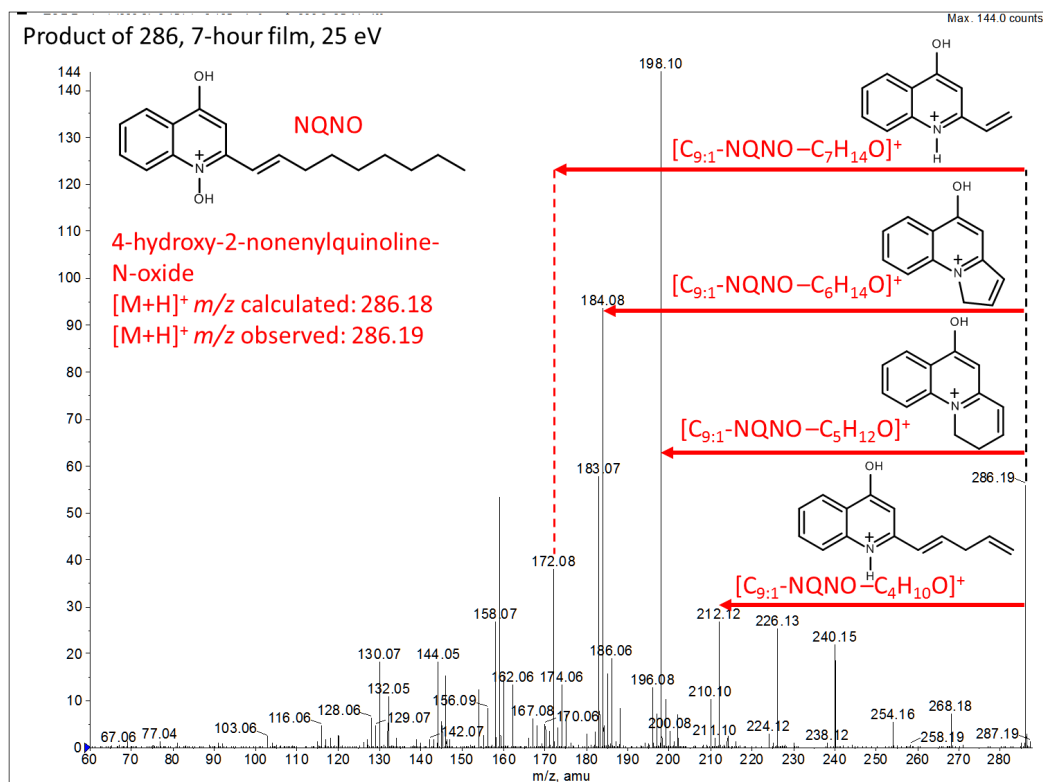
### Supplemental Information

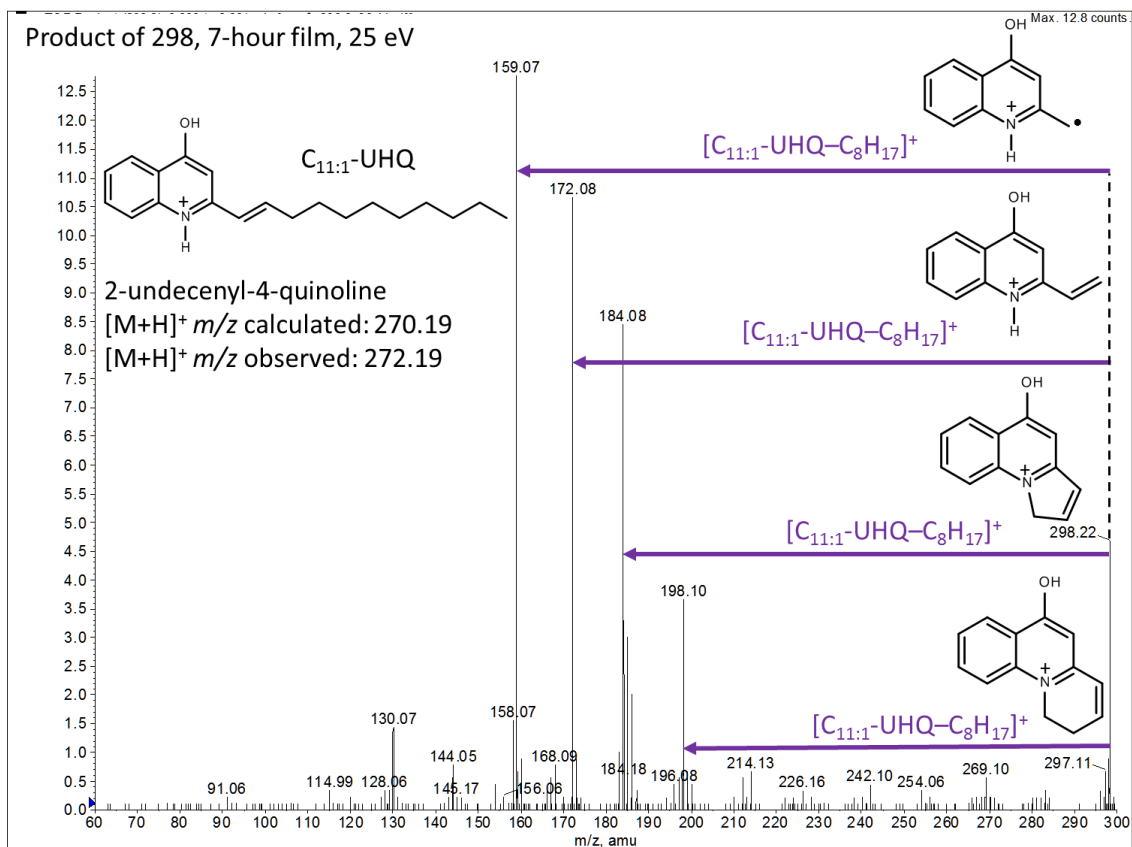
**Figure S1.** Tandem mass spectrometry of analytes from **Table 1**





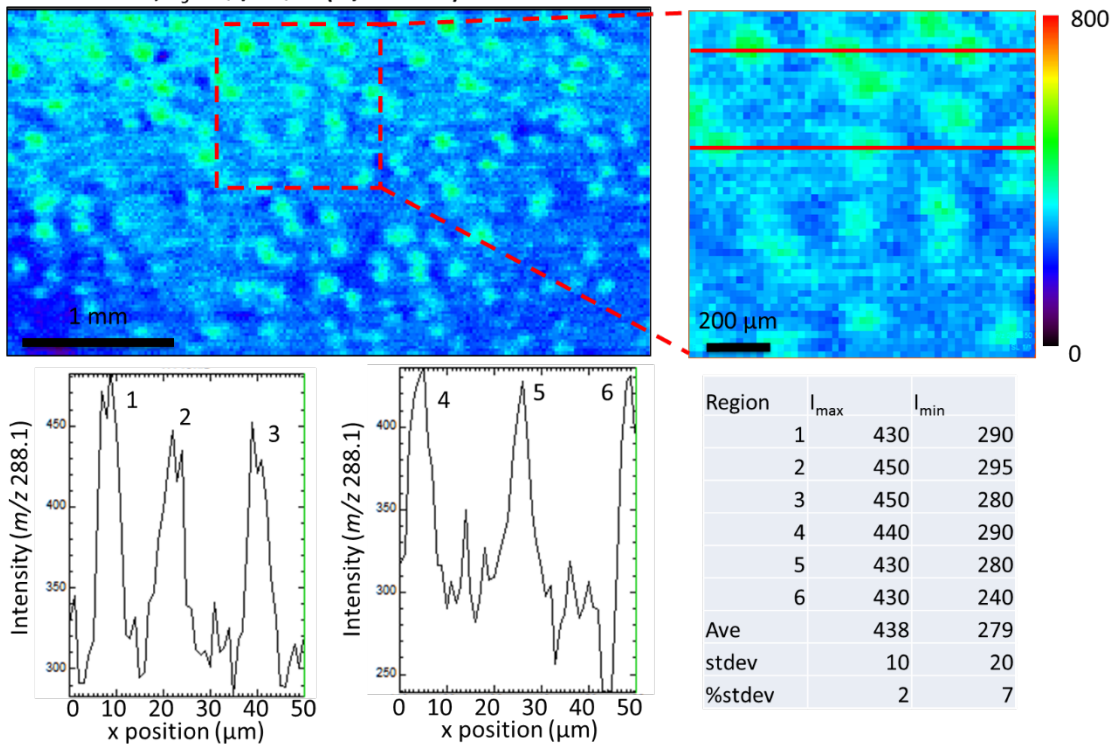






**Figure S2.** Line-scans of  $m/z$  288.21 on the 7-hour biofilm of **Figure 2**.

7-hour biofilm,  $C_9$ -PQS/NQNO ( $m/z$  288.21)



**Figure S3.** Raman spectra of quiolone standards (i) HQNO and (ii) PQS.

